

WHAT IS CLAIMED IS:

1. For use in a wireless network comprising a plurality of wireless communication devices, an interrogating state machine comprising:

a server status store operable to store server status information for each of a plurality of servers; and

a server assigner operable to collect server status information from the servers, to store the server status information in the server status store, and to assign one of the servers to host one of the wireless communication devices.

2. The interrogating state machine of Claim 1, the server status information stored in the server status store collectively forming a system status, the server assigner operable to assign one of the servers to host one of the wireless communication devices based on the system status.

3. The interrogating state machine of Claim 1, the server assigner further operable to receive a registration request from the one of the wireless communication devices and to assign one of the servers to host the wireless communication device based on receiving the registration request.

4. The interrogating state machine of Claim 1, the server status store comprising a table.

5. The interrogating state machine of Claim 4, the table comprising a server column operable to identify the servers and a first server status information column operable to provide first server status information for the corresponding server identified in the server column.

6. The interrogating state machine of Claim 5, the table further comprising a second server status information column operable to provide second server status information for the corresponding server identified in the server column, the first server status information comprising load information and the second server status information comprising capability information.

7. The interrogating state machine of Claim 1, the server assigner comprising:

a status collector operable to collect the server status information from the servers and to store the server status information in the server status store; and

a server selector operable to access the server status store based on receiving a registration request from the one of the wireless communication devices and to select one of the servers based on the server status information in the server status store, the server assigner operable to assign the server selected by the server selector to host the wireless communication device.

8. A wireless network, comprising:

a plurality of servers, each server having a varying server status, the server statuses of the servers collectively forming a varying system status; and

at least one interrogating state machine operable to receive a registration request from one of a plurality of wireless communication devices and, based on the registration request, to assign one of the servers to host the wireless communication device based on a current system status, the current system status based on the varying system status.

9. The wireless network of Claim 8, the interrogating state machine comprising:

a server status store operable to store current server statuses for each of the servers, the current server statuses based on the varying server statuses; and

a server assigner operable to collect the server statuses from the servers, to store the server statuses in the server status store, and to assign one of the servers to host the wireless communication device based on the current system status.

10. The wireless network of Claim 9, the server assigner further operable to receive the registration request from the wireless communication device.

11. The wireless network of Claim 9, the server status store comprising a table.

12. The wireless network of Claim 11, the table comprising a server column operable to identify the servers and a first server status information column operable to provide first server status information for the corresponding server identified in the server column.

13. The wireless network of Claim 12, the table further comprising a second server status information column operable to provide second server status information for the corresponding server identified in the server column, the first server status information comprising load information and the second server status information comprising capability information.

14. The wireless network of Claim 9, the server assigner comprising:

a status collector operable to collect the server statuses from the servers and to store the server statuses in the server status store; and

a server selector operable to access the server status store based on receiving a registration request from the wireless communication device and to select one of the servers based on the server statuses in the server status store, the server assigner operable to assign the server selected by the server selector to host the wireless communication device.

15. The wireless network of Claim 8, further comprising a plurality of interrogating state machines, each interrogating state machine operable to receive a registration request from one of the wireless communication devices and, based on the registration request, to assign one of the servers to host the wireless communication device based on the current system status.

16. A method for assigning one of a plurality of servers to host a registration for a wireless communication device, the method comprising:

receiving a registration request from the wireless communication device; and

assigning one of the servers to host the wireless communication device based on server statuses of the servers.

17. The method of Claim 16, further comprising:

requesting a server status from each of the servers;

receiving server statuses from at least a portion of the servers; and

storing the server statuses.

18. The method of Claim 17, further comprising:

accessing the stored server statuses based on receiving the registration request;

selecting one of the servers based on the stored server statuses; and

assigning one of the servers to host the wireless communication device comprising assigning the selected server to host the wireless communication device.

19. The method of Claim 17, further comprising:
receiving updated server statuses from at least a portion
of the servers; and
storing the updated server statuses in place of the
previously stored server statuses.

20. The method of Claim 19, further comprising requesting
updated server statuses from at least a portion of the servers.